	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Inventor
1	US 20020114403 A1	20020822	18	Digital transmitter system and method	375/295	341/144; 341/180	Garceran, Julio Antonio et al.
2	US 6798843 B1	20040928	96	Wideband digital predistortion linearizer for nonlinear amplifiers	375/296	330/149; 375/297	Wright; Andrew S. et al.
3	US 6697436 B1	20040224	94	Transmission antenna array system with predistortion	375/296	330/106; 330/107; 375/297; 455/108; 455/126	Wright; Andrew S. et al.
4	US 6639939 B1	20031028	120	Direct sequence spread spectrum method computer-based product apparatus and system tolerant to frequency reference offset	375/140	375/344; 375/355	Naden; Gary A. et al.
5	US 6587514 B1	20030701	95	Digital predistortion methods for wideband amplifiers	375/296	330/149; 455/126	Wright; Andrew S. et al.
6	US 6452981 B1	20020917	50	Spatio-temporal processing for interference handling	375/299	375/296; 375/347; 375/349	Raleigh; Gregory G. et al.
7	US 6430213 B1	20020806	14	Coherent adaptive subcarrier modulation method	375/146	375/298	Dafesh; Philip A.
8	US RE37802 E	20020723	29	Multicode direct sequence spread spectrum	375/141	370/209; 375/219; 380/34	Fattouche; Michel T. et al.
9	US 6377631 B1	20020423	48	Transmitter incorporating spatio-temporal processing	375/299	375/296	Raleigh; Gregory G.

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10	US 5999561 A	19991207	140	Direct sequence spread spectrum method, computer-based product, apparatus and system tolerant to frequency reference offset	375/142		Naden; Gary A. et al.
11	US 5881376 A	19990309	13	Digital calibration of a transceiver	455/226.1	375/296; 375/346; 455/296; 455/67.14	Lundberg; Jan-Erik et al.
12	US 5809083 A	19980915	15	Differentially encoded pilot word system and method for wireless transmissions of digital data	375/285	370/500; 375/254; 375/296; 375/346; 375/365	Wright; Andrew S.
13	US 5703902 A	19971230	16	Method and apparatus for determining signal strength in a variable data rate system	375/228	370/252; 370/332; 375/138; 375/140; 375/340; 375/347; 375/372; 455/226.2; 455/67.13	Ziv; Noam Abraham et al.

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14	US 5699383 A	19971216	7	High-power linear amplification using periodically updated amplitude and phase correction values	375/297	330/149; 332/103; 332/160; 332/162; 332/176; 375/284; 375/296; 375/308; 455/126; 455/127.1	Ichiyoshi; Osamu
15	US 5606575 A	19970225	33	FFT-based channelizer and combiner employing residue-adder-implemented phase advance	375/219	370/484; 375/260; 375/295; 375/316	Williams; Terry L.
16	US 4726069 A	19880216	12	A muiti-mode modulation and demodulation system and method	455/46	329/349; 329/357; 329/358; 375/301; 375/321; 455/202; 455/47; 455/71	Stevenson; Carl R.

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1	US 20050041757 A1	20050224	40	Frequency-hopped holographic communications apparatus and methods	375/295		Rosen, Lowell et al.
2	US 20050041756 A1	20050224	39	Real domain holographic communications apparatus and methods	375/295		Rosen, Lowell
3	US 20050031051 A1	20050210	39	Multiple access holographic communications apparatus and methods	375/295	375/141; 375/146; 375/147; 375/316	Rosen, Lowell et al.
4	US 20040218689 A1	20041104	17	Method and apparatus of peak-to-average power ratio reduction	375/296		Akhtman, Yosef
5	US 20040190598 A1	20040930	28	Multicarrier CDMA transmission system and transmission method	375/141		Seki, Hiroyuki et al.
6	US 20040179629 A1	20040916	18	Digital predistorter for a wideband power amplifier and adaptation method	375/296		Song, Yoo-Seung et al.
7	US 20030231716 A1	20031218	8	Transmit pre-equalization in a modem environment	375/296	375/222; 375/298	Unger, J. David
8	US 20030053551 A1	20030320	6	Method and apparatus for performing Nyquist folding frequency modulation	375/295		McNeely, David Lowell
9	US 20030043887 A1	20030306	29	Communication system and methods of estimating channel impulse responses therein	375/144		Hudson, John E.
10	US 20030021357 A1	20030130	9	Method and apparatus of zero deflection	375/295		Korol, Victor et al.
11	US 20020176485 A1	20021128	21	Multi-cast communication system and method of estimating channel impulse responses therein	375/144	375/260; 375/340	Hudson, John E.

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12	US 20010028687 A1	20011011	19	Method and apparatus for generating transmission signal by processing which includes digital quadrature modulation	375/296	375/298	Kaneko, Keiichi et al.
13	US 6862321 B2	20050301	16	Method and apparatus for generating transmission signal by processing which includes digital quadrature modulation	375/296	375/260	Kaneko; Keiichi et al.
14	US 6798843 B1	20040928	96	Wideband digital predistortion linearizer for nonlinear amplifiers	375/296	330/149; 375/297	Wright; Andrew S. et al.
15	US 6763058 B1	20040713	13	Low signal to noise ratio acquisition and link characterization techniques for VSAT spread spectrum modems	375/141	375/146; 375/147; 375/150	Morris; James R.
16	US 6658045 B1	20031202	20	CDMA communications system adaptive to mobile unit speed	375/147	375/141	Jin; Xin
17	US 6639939 B1	20031028	120	Direct sequence spread spectrum method computer-based product apparatus and system tolerant to frequency reference offset	375/140	375/344; 375/355	Naden; Gary A. et al.
18	US 6633614 B1	20031014	31	Multicarrier personal access communication system	375/264	375/261; 375/295	Barton; Melbourne et al.
19	US 6563884 B1	20030513	17	Method and apparatus for seamlessly changing the radio interface data rate in circuit switched transmission	375/295	375/225	Nikula; Eero
20	US 6351500 B1	20020226	44	AM- compatible digital broadcasting method and system	375/270	329/357; 332/170; 375/301; 375/321; 455/109; 455/47	Kumar; Derek D.

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21	US 6288610 B1	20010911	54	Method and apparatus for correcting signals, apparatus for compensating for distortion, apparatus for preparing distortion compensating data, and transmitter	330/149	375/296; 375/297	Miyashita; Takumi
22	US 6141390 A	20001031	24	Predistortion in a linear transmitter using orthogonal kernels	375/297	330/149; 332/162; 375/285; 375/296; 455/126	Cova; Armando
23	US 6104239 A	20000815	7	Method for correcting frequency-varying nonlinear errors and digital correction circuit implementing same	330/2	330/149; 375/296	Jenkins; Brett
24	US 6084904 A	20000704	12	Method and apparatus for adjusting a power control setpoint threshold in a wireless communication system	375/130	370/335; 375/140; 375/148; 375/317	Wang; Michael Mao et al.
25	US 6005894 A	19991221	44	AM-compatible digital broadcasting method and system	375/270	329/357; 332/170; 375/301; 375/321; 455/109; 455/47	Kumar; Derek D.
26	US 5999561 A	19991207	140	Direct sequence spread spectrum method, computer-based product, apparatus and system tolerant to frequency reference offset	375/142		Naden; Gary A. et al.

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27	US 5978420 A	19991102	31	Methods and apparatus for implementing a digital modulator	375/295	332/103; 375/308; 708/313	Koslov; Joshua L. et al.
28	US 5909460 A	19990601	26	Efficient apparatus for simultaneous modulation and digital beamforming for an antenna array	375/130	342/383; 375/140; 375/260; 375/308; 375/347	Dent; Paul W.
29	US 5881376 A	19990309	13	Digital calibration of a transceiver	455/226.1	375/296; 375/346; 455/296; 455/67.14	Lundberg; Jan-Erik et al.
30	US 5881058 A	19990309	9	Method for performing a signal search in a wireless communication system	370/335	370/342; 375/144	Chen; Jiangnan

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31	US 5859876 A	19990112	7	Method and apparatus for improving AM compatible digital broadcast analog fidelity	375/295	332/149; 332/150; 348/471; 348/472; 370/206; 370/207; 375/261; 375/298; 375/300	Dapper; Mark J. et al.
32	US 5809083 A	19980915	15	Differentially encoded pilot word system and method for wireless transmissions of digital data	375/285	370/500; 375/254; 375/296; 375/346; 375/365	Wright; Andrew S.
33	US 5801595 A	19980901	9	Device and method for digital vestigial sideband modulation	332/170	348/724; 375/270; 375/301	Davis; Robert C. et al.

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34	US 5699383 A	19971216	7	High-power linear amplification using periodically updated amplitude and phase correction values	375/297	330/149; 332/103; 332/160; 332/162; 332/176; 375/284; 375/296; 375/308; 455/126; 455/127.1	Ichiyoshi; Osamu
35	US 5619503 A	19970408	69	Cellular/satellite communications system with improved frequency re-use	370/330	370/335; 370/337; 375/296; 455/450; 455/501; 455/63.1	Dent; Paul W.
36	US 5521938 A	19960528	10	Apparatus for performing frequency conversion in a communication system	375/146	329/305; 329/310; 380/34	Stewart; Kenneth A. et al.
37	US 5430760 A	19950704	18	Random access in mobile radio telephone systems	375/144	375/141; 455/522; 455/63.1; 455/70	Dent; Paul W.

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38	US 5220557 A	19930615	12	Multiple use digital transmitter/transceiver with time multiplexing	370/345	370/478; 375/219; 375/295; 455/103; 455/73; 455/84.	Kelley; Edwin A.